

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051406

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/081305 A1 (CHUNG JERRY ET AL) 1 May 2003 (2003-05-01)	1-4, 6, 11, 12, 14, 17-20
Y	the whole document	10
Y	US 6 531 997 B1 (ALBERT JONATHAN D ET AL) 11 March 2003 (2003-03-11) the whole document	1-6, 10-14, 17-20
Y	US 4 187 160 A (ZIMMERMANN ANDREAS) 5 February 1980 (1980-02-05) the whole document	1-6, 10-14, 17-20
	----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

3 November 2004

Date of mailing of the international search report

15/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Harke, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051406

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02, 2 April 2002 (2002-04-02) -& JP 2001 290178 A (FUJI XEROX CO LTD), 19 October 2001 (2001-10-19) the whole document	1,4,5,7, 8,10-13, 16-20
P,Y	-& US 6 636 186 B1 (HORIUCHI KAZUNAGA ET AL) 21 October 2003 (2003-10-21) the whole document	1,4,5,7, 8,10-13, 16-20
Y	US 2002/005832 A1 (KATASE MAKOTO) 17 January 2002 (2002-01-17) the whole document	1-8, 10-14, 16-20
Y	US 2002/196207 A1 (MACHIDA YOSHINORI ET AL) 26 December 2002 (2002-12-26) the whole document	10
Y	US 4 947 159 A (DI SANTO FRANK J ET AL) 7 August 1990 (1990-08-07) the whole document	10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051406

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003081305	A1	01-05-2003	CN 1416007 A EP 1444546 A1 WO 03038512 A1	07-05-2003 11-08-2004 08-05-2003
US 6531997	B1	11-03-2003	US 6504524 B1 US 2003137521 A1	07-01-2003 24-07-2003
US 4187160	A	05-02-1980	CH 625073 A5 CA 1106478 A1 DE 2754598 A1 GB 1587310 A JP 54085696 A NL 7811136 A	31-08-1981 04-08-1981 17-05-1979 01-04-1981 07-07-1979 15-05-1979
JP 2001290178	A	19-10-2001	US 6636186 B1	21-10-2003
US 6636186	B1	21-10-2003	JP 2001290178 A	19-10-2001
US 2002005832	A1	17-01-2002	JP 2002116734 A US 2004212870 A1	19-04-2002 28-10-2004
US 2002196207	A1	26-12-2002	JP 2003005227 A	08-01-2003
US 4947159	A	07-08-1990	NONE	